

### **NCDOT Prioritization 3.0 Project Summary**

SPOT ID: H140840 Mode: Highway Status: Submitted

### NC-24, NC-53 (Lejeune Blvd, Western Blvd)

From/Cross Street: Intersection of NC 24 & NC 53 (U- Specific Improvement Type: 10 - Improve Intersection

5508)

To: Project Category: Statewide Mobility

Length: 0.5

Fully Funded in Draft STIP? Yes Statewide Mobility

Cost to NCDOT: \$2,170,000

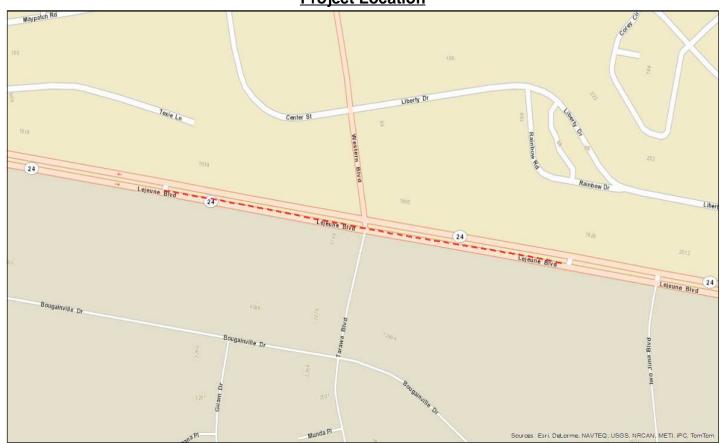
**Description:** 

Upgrade intersection and drainage (U-5508)

**Division(s):** Division 3 **County(s):** ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

### **Project Location**



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# **Statewide Mobility Total Score: 75.28**

Quanitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) Safety (10%) Economic Competitiveness (10%) [Travel Time] Benefit/Cost (30%) Multimodal + [Freight & Military] (20%)  Totals: Weight: 100% Weighted Score:	77.55 50.00 54.02 100.00 58.04	N/A	N/A

### **Regional Impact Total Score: 0**

Quanitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) [Travel Time] Benefit/Cost (20%) Multimodal + [Freight & Military] (25%)	50.00 100.00 58.04	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score:	47.01		

### **Division Needs Total Score: 0**

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (20%) Multimodal + [Freight & Military] (10%)  Totals: Weight: 50% Weighted Score: 3	77.55 50.00 58.04	Percent: 25% Points:	Percent: 25% Points:

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### Project Data \*

### **Existing Conditions**

#### **Existing Cross-Section:** Speed Limit: 55 0.5 Length (miles); Freeway Facility Type: Access Control: None Functional Classification: Other Principal Arterial Terrain Type: Level Lane Width: 12 Paved Shoulder Width: Roadway has Curb & Gutter? No Volume (AADT): 96999.99 Capacity: 150200 Volume/Capacity Ratio: 0.65 % Autos: 95% % Trucks: 5% 5150.8 Truck Volume: 0 Crash Density: 0 Crash Severity: 0 Critical Crash Rate: Crash Frequency: 100 Severity Index: 0 County Tier Designation: Yes Non-Interstate STRAHNET Route? Average Commuting Time: 18 Existing Median Type (for Divided Cost Estimation): Pavement Condition Rating: 93 30.51 **Actual Congested Speed:** Travel Time Index: 1.8

#### **Project Benefits**

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	28667000
Travel Time Savings for 30 Years (Autos):	27144753.19
Travel Time Savings for 30 Years (Trucks):	1522246.81
Long-Term Employment:	460.51
% Change in Economy:	0.00061984
Provides Direct Connection to Transportation Terminal?	Yes
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Jacksonville CTP
CTP/LRTP Completion Year:	2014
Submitted by:	Division 3

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<sup>\*</sup> Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

# **Project Ownership**

### **Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

### MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

# **Project Cost and Source**

Construction Cost:	\$1,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$420,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,170,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,170,000	

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